

Workshop-cum-Hackathon on Blockchain for PKI HackChain4PKI - 2020

Date: 16 June 2020

Venue: C-DAC, Bengaluru

C-DAC Bangalore under the aegis of the Office of the Controller of Certifying Authorities, Ministry of Electronics and Information Technology, Government of India, invites participants for the workshop on Blockchain for PKI, featuring hackathon, paper presentations and invited talks on this topic. This is one of a unique event featuring the use of Blockchain exclusively for the PKI ecosystem and PKI applications. This workshop-cum-hackathon is being organized with the technical support of IEEE Bangalore Section

MORNING SESSION:

- ◆ PKI and Blockchain Basics
- ◆ Invited Talks
- ◆ Selected Papers

AFTERNOON SESSION

- ◆ Selected Paper Presentations
- ◆ Hackathon Presentations
- ◆ Award

HACKATHON:

Developers, Data Scientists/Data Analysts and Young Engineers who want to learn the concepts of machine learning and its applications.

Developers, Students and interested members are invited to participate in this hackathon competition. Participants are expected to participate in a team or as an individual. The team size can be a maximum of five members. A preliminary intro to PKI and Blockchain can be found online at: <https://youtube.com/pkiindia>. Participants are requested to either work on the problem statements given on the Website, or propose their problem statements relating to the use of Blockchain in PKI and can work on the same, upon approval/incorporating the suggestions given by the jury.

Last date of registration for the Hackathon: 31 March 2020.

Details and Problem statements are available at:
www.pkiindia.in/hackchain4pki

Last date for submission of the code and demo: 31 May 2020

Workshop Date: 16 June 2020

Hackathon participants are required to register before the deadline giving the details of the team, and the problem statement that they have chosen to work on. Participants are required to submit a working demo (video tutorial) of their code, along with the complete code and details of pre-requisite software. The participating teams will be notified for making a short presentation, which has to be made during the workshop.

The jury's decision will be final and binding. The copyright of all the submissions will be held by C-DAC with due credits to the authors.

CALL FOR PAPERS:

We seek research paper submissions on the innovative use of Blockchain in the PKI Ecosystem and PKI applications. Some of the topics of interest include, but not limited to:


- ◆ Blockchain for Certificate Life Cycle Management
- ◆ Blockchain and PKI for IoT Devices
- ◆ Blockchain and PKI for Identity Management
- ◆ Electronic Trust Management
- ◆ Blockchain for Key Rollovers in PKI
- ◆ PKI and Blockchain Integration Issues
- ◆ Blockchain and PKI for DAPPS
- ◆ Blockchain and PKI for Smart Contracts
- ◆ Scalability issues specific to PKI and Blockchain

Selected papers will be schedule for presentation at the workshop, and the authors of the selected papers must present the paper for inclusion in the proceedings.

Last date for Submission of Papers: 30 April 2020.

Announcement of Results: 31 May 2020.

Workshop Date: 16 June 2020

 <https://www.youtube.com/pkiindia>

 <https://www.facebook.com/pkiindia>

 <https://twitter.com/pkiindia>

 <https://www.pkiindia.in/hackchain4pki>



**Loads of
Prizes to be
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